

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/520,094  
Source: PJT/10  
Date Processed by STIC: 1/13/05

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 01/13/2005

PATENT APPLICATION: US/10/520,094

TIME: 10:49:04

Input Set : A:\BHJ7USA.txt

Output Set: N:\CRF4\01132005\J520094.raw

3 <110> APPLICANT: Ecole Polytechnique Federale de Lausanne  
 5 <120> TITLE OF INVENTION: Selective Photochemotherapy Using Oligonucleotide Targeting  
 6 Agents  
 8 <130> FILE REFERENCE: BHJ7USA  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/520,094  
 C--> 10 <141> CURRENT FILING DATE: 2005-01-04  
 10 <150> PRIOR APPLICATION NUMBER: PCT/EP2003/008052  
 11 <151> PRIOR FILING DATE: 2003-07-04  
 13 <150> PRIOR APPLICATION NUMBER: GB 0215534.9  
 14 <151> PRIOR FILING DATE: 2002-07-04  
 16 <160> NUMBER OF SEQ ID NOS: 16  
 18 <170> SOFTWARE: PatentIn version 3.3  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 20  
 22 <212> TYPE: DNA  
 23 <213> ORGANISM: Unknown  
 25 <220> FEATURE:  
 26 <223> OTHER INFORMATION: Synthetic oligonucleotide  
 28 <400> SEQUENCE: 1  
 29 tgctagggtt cctccctttc  
 32 <210> SEQ ID NO: 2  
 33 <211> LENGTH: 28  
 34 <212> TYPE: DNA  
 35 <213> ORGANISM: Unknown  
 37 <220> FEATURE:  
 38 <223> OTHER INFORMATION: synthetic oligonucleotide  
 41 <220> FEATURE:  
 42 <221> NAME/KEY: misc\_feature  
 43 <222> LOCATION: (1)..(1)  
 44 <223> OTHER INFORMATION: guanine labelled with pheophorbide a  
 46 <220> FEATURE:  
 47 <221> NAME/KEY: misc\_feature  
 48 <222> LOCATION: (28)..(28)  
 49 <223> OTHER INFORMATION: cytosine labelled with pheophorbide a  
 51 <400> SEQUENCE: 2  
 W--> 52 ncgatgctag gtttcctccc tttgtcgn  
 55 <210> SEQ ID NO: 3  
 56 <211> LENGTH: 28  
 57 <212> TYPE: DNA  
 58 <213> ORGANISM: Unknown  
 60 <220> FEATURE:  
 61 <223> OTHER INFORMATION: synthetic oligonucleotide  
 64 <220> FEATURE:

p.6

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65 <221> NAME/KEY: misc_feature
66 <222> LOCATION: (1)..(1)
67 <223> OTHER INFORMATION: guanine labelled with chlorin e6
69 <220> FEATURE:
70 <221> NAME/KEY: misc_feature
71 <222> LOCATION: (28)..(28)
72 <223> OTHER INFORMATION: cytosine labelled with chlorin e6
74 <400> SEQUENCE: 3
W--> 75 ncgatgctag gtttctctccc tttgtcgn 28
78 <210> SEQ ID NO: 4
79 <211> LENGTH: 28
80 <212> TYPE: DNA
81 <213> ORGANISM: Unknown
83 <220> FEATURE:
84 <223> OTHER INFORMATION: synthetic oligonucleotide
86 <400> SEQUENCE: 4
87 gcgactgact gccaaactatg aacatcgc 28
90 <210> SEQ ID NO: 5
91 <211> LENGTH: 20
92 <212> TYPE: DNA
93 <213> ORGANISM: Unknown
95 <220> FEATURE:
96 <223> OTHER INFORMATION: synthetic oligonucleotide
98 <400> SEQUENCE: 5
99 ctgactgccca actatgaaca 20
102 <210> SEQ ID NO: 6
103 <211> LENGTH: 20
104 <212> TYPE: DNA
105 <213> ORGANISM: Unknown
107 <220> FEATURE:
108 <223> OTHER INFORMATION: synthetic oligonucleotide
110 <400> SEQUENCE: 6
111 caaagggagg aaacctagca 20
114 <210> SEQ ID NO: 7
115 <211> LENGTH: 20
116 <212> TYPE: DNA
117 <213> ORGANISM: Unknown
119 <220> FEATURE:
120 <223> OTHER INFORMATION: synthetic oligonucleotide
122 <400> SEQUENCE: 7
123 caaagggagg taacctagca 20
126 <210> SEQ ID NO: 8
127 <211> LENGTH: 20
128 <212> TYPE: DNA
129 <213> ORGANISM: Unknown
131 <220> FEATURE:
132 <223> OTHER INFORMATION: synthetic oligonucleotide
134 <400> SEQUENCE: 8
135 caaaggaag taacctagca 20

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138 <210> SEQ ID NO: 9
139 <211> LENGTH: 43
140 <212> TYPE: DNA
141 <213> ORGANISM: Unknown
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Part of Mam gene sequence (GenBank Accession No. AF015224)
146 <400> SEQUENCE: 9
147 cggatgaaac tctgagcaat gtctgcagtt ctgtgagcca aag 43
150 <210> SEQ ID NO: 10
151 <211> LENGTH: 54
152 <212> TYPE: DNA
153 <213> ORGANISM: Unknown
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Artificial oligonucleotide
159 <220> FEATURE:
160 <221> NAME/KEY: misc_feature
161 <222> LOCATION: (1)..(1)
162 <223> OTHER INFORMATION: cytosine labelled with gold particle-S-(CH2)6
164 <220> FEATURE:
165 <221> NAME/KEY: misc_feature
166 <222> LOCATION: (54)..(54)
167 <223> OTHER INFORMATION: guanine labelled with pheophorbide a
169 <400> SEQUENCE: 10
W--> 170 ncaagccgga tgaaactctg agcaatgtct gcagttctgt gagccaaagc ttgn 54
173 <210> SEQ ID NO: 11
174 <211> LENGTH: 26
175 <212> TYPE: DNA
176 <213> ORGANISM: Unknown
178 <220> FEATURE:
179 <223> OTHER INFORMATION: synthetic oligonucleotide
182 <220> FEATURE:
183 <221> NAME/KEY: misc_feature
184 <222> LOCATION: (2)..(3)
185 <223> OTHER INFORMATION: phosphorthioate link
187 <220> FEATURE:
188 <221> NAME/KEY: misc_feature
189 <222> LOCATION: (5)..(7)
190 <223> OTHER INFORMATION: phosphorthioate link
192 <220> FEATURE:
193 <221> NAME/KEY: misc_feature
194 <222> LOCATION: (9)..(10)
195 <223> OTHER INFORMATION: phosphorthioate link
197 <220> FEATURE:
198 <221> NAME/KEY: misc_feature
199 <222> LOCATION: (17)..(18)
200 <223> OTHER INFORMATION: phosphorthioate link
202 <220> FEATURE:
203 <221> NAME/KEY: misc_feature
204 <222> LOCATION: (19)..(22)

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Input Set : A:\BHJ7USA.txt

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205 <223> OTHER INFORMATION: phosphorthioate links  
 207 <220> FEATURE:  
 208 <221> NAME/KEY: misc\_feature  
 209 <222> LOCATION: (24)..(25)  
 210 <223> OTHER INFORMATION: phosphorthioate link  
 212 <400> SEQUENCE: 11  
 213 gcgagcggcg gaaaagccat cgtcgc  
 216 <210> SEQ ID NO: 12  
 217 <211> LENGTH: 26  
 218 <212> TYPE: DNA  
 219 <213> ORGANISM: Unknown  
 221 <220> FEATURE:  
 222 <223> OTHER INFORMATION: synthetic oligonucleotide  
 225 <220> FEATURE:  
 226 <221> NAME/KEY: misc\_feature  
 227 <222> LOCATION: (2)..(3)  
 228 <223> OTHER INFORMATION: phosphorthioate link  
 230 <220> FEATURE:  
 231 <221> NAME/KEY: misc\_feature  
 232 <222> LOCATION: (5)..(7)  
 233 <223> OTHER INFORMATION: phosphorthioate links  
 235 <220> FEATURE:  
 236 <221> NAME/KEY: misc\_feature  
 237 <222> LOCATION: (9)..(10)  
 238 <223> OTHER INFORMATION: phosphorthioate link  
 240 <220> FEATURE:  
 241 <221> NAME/KEY: misc\_feature  
 242 <222> LOCATION: (17)..(22)  
 243 <223> OTHER INFORMATION: phosphorthioate links  
 245 <220> FEATURE:  
 246 <221> NAME/KEY: misc\_feature  
 247 <222> LOCATION: (24)..(25)  
 248 <223> OTHER INFORMATION: phosphorthioate link  
 250 <400> SEQUENCE: 12  
 251 gcgagcaacg agagagccgt cgtcgc  
 254 <210> SEQ ID NO: 13  
 255 <211> LENGTH: 18  
 256 <212> TYPE: DNA  
 257 <213> ORGANISM: Unknown  
 259 <220> FEATURE:  
 260 <223> OTHER INFORMATION: Synthetic Oligonucleotide  
 262 <400> SEQUENCE: 13  
 263 cgatggcttt tccgccgc  
 266 <210> SEQ ID NO: 14  
 267 <211> LENGTH: 28  
 268 <212> TYPE: DNA  
 269 <213> ORGANISM: Unknown  
 271 <220> FEATURE:  
 272 <223> OTHER INFORMATION: synthetic oligonucleotide

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Input Set : A:\BHJ7USA.txt

Output Set: N:\CRF4\01132005\J520094.raw

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275 <220> FEATURE:
276 <221> NAME/KEY: misc_feature
277 <222> LOCATION: (1)..(1)
278 <223> OTHER INFORMATION: guanine labelled with chlorin e6
280 <220> FEATURE:
281 <221> NAME/KEY: misc_feature
282 <222> LOCATION: (2)..(3)
283 <223> OTHER INFORMATION: phosphorthioate link
285 <220> FEATURE:
286 <221> NAME/KEY: misc_feature
287 <222> LOCATION: (4)..(6)
288 <223> OTHER INFORMATION: phosphorthioate links
290 <220> FEATURE:
291 <221> NAME/KEY: misc_feature
292 <222> LOCATION: (11)..(13)
293 <223> OTHER INFORMATION: phosphorthioate link
295 <220> FEATURE:
296 <221> NAME/KEY: misc_feature
297 <222> LOCATION: (22)..(27)
298 <223> OTHER INFORMATION: phosphorthioate links
300 <220> FEATURE:
301 <221> NAME/KEY: misc_feature
302 <222> LOCATION: (28)..(28)
303 <223> OTHER INFORMATION: cytosine labelled with chlorin e6
305 <400> SEQUENCE: 14
W--> 306 nccgatgctag gtttctctccc tttgtcgn 28
309 <210> SEQ ID NO: 15
310 <211> LENGTH: 28
311 <212> TYPE: DNA
312 <213> ORGANISM: Unknown
314 <220> FEATURE:
315 <223> OTHER INFORMATION: synthetic oligonucleotide
318 <220> FEATURE:
319 <221> NAME/KEY: misc_feature
320 <222> LOCATION: (1)..(1)
321 <223> OTHER INFORMATION: guanine labelled with chlorin e6
323 <220> FEATURE:
324 <221> NAME/KEY: misc_feature
325 <222> LOCATION: (2)..(3)
326 <223> OTHER INFORMATION: phosphorthioate link
328 <220> FEATURE:
329 <221> NAME/KEY: misc_feature
330 <222> LOCATION: (4)..(5)
331 <223> OTHER INFORMATION: phosphorthioate link
333 <220> FEATURE:
334 <221> NAME/KEY: misc_feature
335 <222> LOCATION: (8)..(9)
336 <223> OTHER INFORMATION: phosphorthioate link
338 <220> FEATURE:

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/520,094

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Input Set : A:\BHJ7USA.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 1,28  
Seq#:3; N Pos. 1,28  
Seq#:10; N Pos. 1,54  
Seq#:14; N Pos. 1,28  
Seq#:15; N Pos. 1,28

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/520,094

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Input Set : A:\BHJ7USA.txt

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0